Caution: Ensure that you wear the ESD (Electrical Static Discharge) strap during the installation.

Hardware Installation

The RBT-8500 Wireless Switch can be mounted in a standard 19-inch (48.26-cm) equipment rack, or on a tabletop. Each switch is shipped with two brackets for rack mounting and four adhesive rubber feet for tabletop mounting. The mounting brackets support front mounting only. The bracket kit allows you to install the RBT-8500 Wireless Switch into most four-post rack and cabinet systems. The only tool required is a Phillips screwdriver.

Cabling Information

Cable Requirements

To avoid installation problems, use the proper cables.

Caution: The Gigabit Ethernet fiber-optic interfaces use Class 1 lasers. To reduce the risk of eye injury, do not stare into the interface or otherwise direct the laser beam into your eye.

Serial Console Cable

The serial console port has a female DB-9 connector and supports the EIA-232D signaling standard. You need a standard DB-9-male to DB-9-female PC modem cable.

Supported Interfaces and Cable Types

Table 1 lists the interface types supported by the switch, and the cable type required for each type of interface. Table 2 provides specifications for the 10/100 Management port.

Table 1 Mini-GBIC Input/Output Specifications

Enterasys Part	Wavelength	Cable	Port/Ethernet
MGBIC-02	1550 nm EML	Copper	RJ45/1000BASE-T
MGBIC-08	1550 nm EML	Single mode	LC/1000BASE-ELX
MGBIC-LC01	850 nm DFB	Multimode	LC/1000BASE-SX
MGBIC-LC03	1310 nm VCSEL	Multimode	LC/1000BASE-SX
MGBIC-LC09	1310 nm VCSEL	Single/Multimode	LC/1000BASE-LX
MGBIC-MT01	850 nm VCSEL	Multimode	MT-RJ/1000BASE-SX

Note: Refer to Appendix A of the *RBT-8500 Wireless Switch Installation Guide*, for additional Mini-GBIC specifications.

Table 2 Management Port Specifications

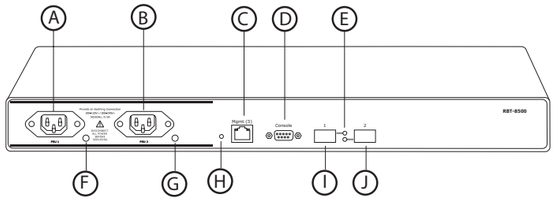
10/100 Management Port	Cable	Port Type/Ethernet
Used for out-of-band management only	Copper	RJ45/10/100BASE-T

Connecting the Cables

Connect your I/O cables as shown in Figure 1, and press the power button. Refer to the *Enterasys RoamAbout RBT-8500 Wireless Switch Installation Guide* for additional setup instructions.

The Serial Number, MAC Address, and other identifying information are located on the rear panel.

Figure 1 Front I/O Ports and Features



A	Power Supply 1 inlet	**F**	Power supply 1 LED
B	Power Supply 2 inlet	**G**	Power supply 2 LED
C	10/100 Management port	**H**	Management LED
D	Serial console port	**I**	Mini-GBIC slot
E	Gigabit link LEDs	**J**	Mini-GBIC slot

Status LEDs are described in Table 3.

Table 3 Status LEDs

LED	Color	Action	Description
Management	Green	Bright to Faded	The switch is operating normally.
	Green	Blinking	The switch is booting.
	Amber	Blinking Rapidly	The switch was unable to boot completely.
Power Supply Status	Green	Solid	DC power output is ON.
	Amber	Solid	A power fault has occurred.
	OFF	LED is not lit	AC power is OFF.
Fiber Link Activity	Green	Solid	The 1000-Mbps fiber link is operational.
	Green	Blinking	The 1000-Mbps fiber link is receiving/sending traffic.
Copper Link Activity	Green	Solid	The 1000-Mbps copper link is operational.
	Green	Blinking	The 1000-Mbps copper link is receiving/sending traffic.

Initial Configuration

Once your RBT-8500 is physically installed, you can configure it quickly using the **quickstart** command, which runs an interactive script that prompts you for required information and lists the default, if applicable.

Refer to the *Enterasys RoamAbout RBT-8500 Wireless Switch Installation Guide* for information about other initialization options.

You must have the following information to complete the configuration:

- IP address
- Network Subnet Masks

Perform the following steps to run the **quickstart** command:

1. Use the null modem cable to attach a PC to the RoamAbout Wireless Switch's serial console port. **Do not** attempt to connect a monitor, keyboard, or mouse to the switch.
2. Press **Enter** three times.
3. At the command prompt, enter the **enable** command.
4. Enter **quickstart**.
   The command asks you a series of questions. You can type **?** for more help. To quit, press **Ctrl+C**.
   The Serial Number, MAC Address, and other identifying information are located on the rear panel.
   One of the questions the script asks is the country code. For a list of valid country codes, refer to either the *Enterasys RoamAbout Mobility System Software Configuration Guide* or the *Enterasys RoamAbout Mobility System Software Command Line Interface Reference*.
   Another question the script asks is, "Do you wish to configure wireless?" If you answer **y**, the script goes on to ask you for SSID and user information, and for unencrypted and encrypted SSIDs. If you answer **n**, the script generates key pairs for SSH and the administrative users you entered, generates a self-signed administrative certificate, and then ends.
5. Optionally, enable Telnet.
   RBT-8500# **set ip telnet server enable**
6. Save the configuration changes.
   RBT-8500# **save config**
7. Verify the configuration changes.
   RBT-8500# **show config**

Getting Help

For additional support related to the RBT-8500 Wireless Switch, or this document, contact Enterasys Networks using one of the following methods:

World Wide Web	www.enterasys.com/support/
Phone	1-800-872-8440 (toll-free in U.S. and Canada) or 1-978-684-1000 For the Enterasys Networks Support toll-free number in your country: www.enterasys.com/support/
Internet mail	support@enterasys.com To expedite your message, type **[ROAMABOUT]** in the subject field of your message.
The latest image and release notes	www.enterasys.com/services/support/downloads/software
More documentation	www.enterasys.com/support/manuals/

To send comments concerning this document to the Technical Publications Department: techpubs@enterasys.com
Please include the document Part Number in your email message.

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Andover, MA 01810

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Part Number: 9034373-01 January 2008

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Regulatory Compliance Information

Federal Communications Commission (FCC) Notice

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment uses, generates, and can radiate radio frequency energy and if not installed in accordance with the operator's manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause interference in which case the user will be required to correct the interference at his own expense.

WARNING: Changes or modifications made to this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Industry Canada Notice

This digital apparatus does not exceed the class A limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class A prescrites dans le Règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

Class A ITE Notice

WARNING: This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Clase A. Aviso de ITE

ADVERTENCIA: Este es un producto de Clase A. En un ambiente doméstico este producto puede causar interferencia de radio en cuyo caso puede ser requerido tomar medidas adecuadas.

Klasse A ITE Anmerkung

WARNHINWEIS : Dieses Produkt zählt zur Klasse A (Industriebereich). In Wohnbereichen kann es hierdurch zu Funkstörungen kommen, daher sollten angemessene Vorkehrungen zum Schutz getroffen werden.

Product Safety

This product complies with the following: UL 60950, CSA C22.2 No. 60950, 2006/95/EC, EN 60950, IEC 60950, EN 60825, 21 CFR 1040.10.

Seguridad del Producto

El producto de Enterasys cumple con lo siguiente: UL 60950, CSA C22.2 No. 60950, 2006/95/EC, EN 60950, IEC 60950, EN 60825, 21 CFR 1040.10.

Produktsicherheit

Dieses Produkt entspricht den folgenden Richtlinien: UL 60950, CSA C22.2 No. 60950, 2006/95/EC, EN 60950, IEC 60950, EN 60825, 21 CFR 1040.10.

Electromagnetic Compatibility (EMC)

This product complies with the following: 47 CFR Parts 2 and 15, CSA C108.8, 2004/108/EC, EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024, AS/NZS CISPR 22, and VCCI V-3.

Compatibilidad Electromágnetica (EMC)

Este producto de Enterasys cumple con lo siguiente: 47 CFR Partes 2 y 15, CSA C108.8, 2004/108/EC, EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3, AS/NZS CISPR 22, VCCI V-3.

Elektro-magnetische Kompatibilität (EMC)

Dieses Produkt entspricht den folgenden Richtlinien: 47 CFR Parts 2 and 15, CSA C108.8, 2004/108/EC, EN 55022, EN 61000-3-2, EN 61000-3-3, EN 55024, AS/NZS CISPR 22, VCCI V-3.

产品说明书附件

Supplement to Product Instructions

部件名称 (Parts)	有毒有害物质或元素 (Hazardous Substance)					
	铅 (Pb)	汞 (Hg)	镉 (Cd)	六价铬 (Cr^{6+})	多溴联苯 (PBB)	多溴二苯醚 (PBDE)
金属部件 (Metal Parts)	×	○	○	×	○	○
电路模块 (Circuit Modules)	×	○	○	×	○	○
电缆及电缆组件 (Cables & Cable Assemblies)	×	○	○	×	○	○
塑料和聚合物部件 (Plastic and Polymeric parts)	○	○	○	○	○	×
电路开关 (Circuit Breakers)	○	○	×	×	○	○

○： 表示该有毒有害物质在该部件所有均质材料中的含量均在 SJ/T 11363-2006 标准规定的限量要求以下。
Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T 11363-2006 standard.

×： 表示该有毒有害物质至少在该部件的某一均质材料中的含量超出SJ/T 11363-2006 标准规定的限量要求。
Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T 11363-2006 standard.

对销售之日的所售产品, 本表显示,
凯创供应链的电子信息产品可能包含这些物质。注意: 在所售产品中可能会也可能不会含有所有所列的部件。
This table shows where these substances may be found in the supply chain of Enterasys' electronic information products, as of the date of sale of the enclosed product. Note that some of the component types listed above may or may not be a part of the enclosed product.

除非另外特别的标注, 此标志为针对所涉及产品的环保使用期标志. 某些零部件会有一个不同的环保使用期 (例如, 电池单元模块) 贴在其产品上.
此环保使用期限只适用于产品是在产品手册中所规定的条件下工作.
The Environmentally Friendly Use Period (EFUP) for all enclosed products and their parts are per the symbol shown here, unless otherwise marked. Certain parts may have a different EFUP (for example, battery modules) and so are marked to reflect such. The Environmentally Friendly Use Period is valid only when the product is operated under the conditions defined in the product manual.

Hazardous Substances

This product complies with the requirements of European Directive, 2002/95/EC, Restriction of Hazardous Substances (RoHS) in Electrical and Electronic Equipment.

European Waste Electrical and Electronic Equipment (WEEE) Notice

In accordance with Directive 2002/96/EC of the European Parliament on waste electrical and electronic equipment (WEEE):

1. The symbol above indicates that separate collection of electrical and electronic equipment is required and that this product was placed on the European market after August 13, 2005, the date of enforcement for Directive 2002/96/EC.
2. When this product has reached the end of its serviceable life, it cannot be disposed of as unsorted municipal waste. It must be collected and treated separately.
3. It has been determined by the European Parliament that there are potential negative effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment.
4. It is the users' responsibility to utilize the available collection system to ensure WEEE is properly treated.

   For information about the available collection system, please go to http://www.enterasys.com/support/ or contact Enterasys Customer Support at 353 61 705586 (Ireland).

VCCI Notice

This class A product is based on the standard of the Voluntary Control Council for Interference by Information Technology Equipment. If it is used in a domestic environment, radio disturbance may arise. When such trouble occurs, the user may be required to take corrective actions.

この装置は，情報処理装置等電波障害自主規制協議会（ＶＣＣＩ）の基準に基づくクラスＡ情報技術装置です。この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

BSMI EMC Statement — Taiwan

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

警告使用者：
這是甲類的資訊產品，在居住的環境中使用時，可能會造成射頻干擾，在這種請況下，使用者會被要求採取某些適當的對策。

AS/NZS CISPR 22

Safety Compliance

Warning: Fiber Optic Port Safety

When using a fiber optic media expansion module, never look at the transmit laser while it is powered on. Also, never look directly at the fiber TX port and fiber cable ends when they are powered on.

Avertissment: Ports pour fibres optiques - sécurité sur le plan optique

Ne regardez jamais le laser tant qu'il est sous tension. Ne regardez jamais directement le port TX (Transmission) à fibres optiques et les embouts de câbles à fibres optiques tant qu'ils sont sous tension.

Warnhinweis: Faseroptikanschlüsse - Optische Sicherheit

Niemals ein Übertragungslaser betrachten, während dieses eingeschaltet ist. Niemals direkt auf den Faser-TX-Anschluß und auf die Faserkabelenden schauen, während diese eingeschaltet sind.

SAFETY INFORMATION
CLASS 1 LASER TRANSCEIVERS
Laser Radiation and Connectors

When the connector is in place, all laser radiation remains within the fiber. The maximum amount of radiant power exiting the fiber (under normal conditions) is -12.6 dBm or 55 x 10-6 watts.
Removing the optical connector from the transceiver allows laser radiation to emit directly from the optical port. The maximum radiance from the optical port (under worst case conditions) is 0.8 W cm-2 or 8 x 103 W m2 sr-1.
Do not use optical instruments to view the laser output. The use of optical instruments to view laser output increases eye hazard. When viewing the output optical port, power must be removed from the network adapter.

Declaration of Conformity

Application of Council Directive(s): **2004/108/EC**
2006/95/EC

Manufacturer's Name: **Enterasys Networks, Inc.**

Manufacturer's Address: **50 Minuteman Road**
Andover, MA 01810
USA

European Representative Address: **Enterasys Networks Ltd.**
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Business Park
London Road, Newbury
Berkshire RG14 2PZ, England

Conformance to Directive(s)/Product Standards: **EC Directive 2004/108/EC**
EN 55022
EN 61000-3-2
EN 61000-3-3
EN 55024
EC Directive 2006/95/EC
EN 60950
EN 60825

Equipment Type/Environment: **Networking Equipment,**
for use in a Commercial
or Light Industrial Environment.

Enterasys Networks, Inc. declares that the equipment packaged with this notice conforms to the above directives.

Enterasys RoamAbout®

RBT-8500 Wireless Switch

Quick Start

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P/N 9034373-01